

## GM Powerglide, TH350, TH400, 10"

Unit Size: 10 • Core: GM 245mm • Dampened: No • Turbine Hub Input Spline Count: 30

## 10" Performance Converter Kit

### Part No. GM-RK-1

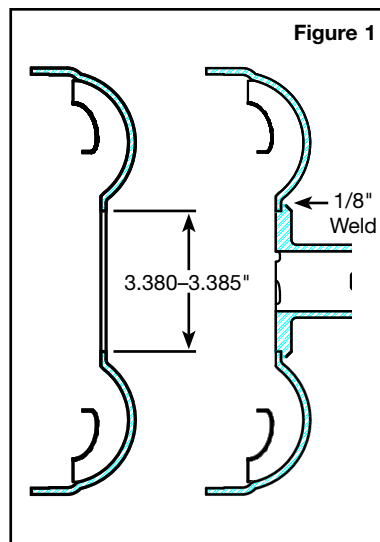
- Flanged Impeller Hub
- 30-Tooth Turbine Hub
- Thrust Washer
- Front Cover, Dual Bolt Pattern
- Front Cover Bushing (installed)

**NOTE:** Pilot kit not included.



### 1. Impeller Assembly (Figure 1)

- Remove stock GM 245mm impeller hub by boring a 3.380" to 3.385" dia. hole on-center in the impeller.
- Install Sonnax impeller hub from the outside. Weld around the O.D. of impeller hub, ensuring it is centered on the impeller.



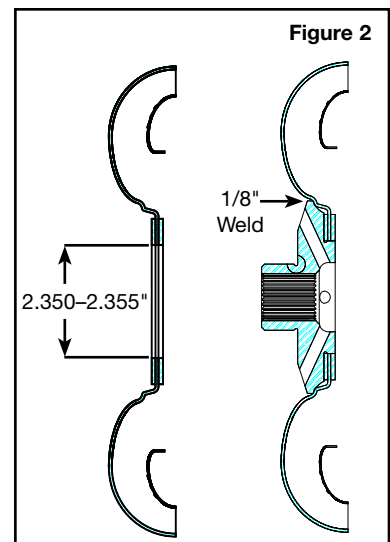
### 2. Turbine Assembly (Figure 2)

- Bore a 2.350" to 2.355" dia. hole on-center in the stock GM 245mm turbine. This will allow removal of OE turbine hub.

**NOTE:** Both flanges of the OE turbine hub assembly are retained and should not be removed.

If using Sonnax stator **GM-ST-082** or **GM-ST-086**, the stator will be .345" taller than OE stator. Approximately .345" must be removed off the turbine bearing face to correct clearances and stack height.

- Install Sonnax turbine hub into turbine from the front cover side and weld around O.D. of the turbine hub.



#### 3. Front Cover Assembly (Figure 4)

- Apply thread locking compound to internal pilot threads.
- Screw pilot onto the threaded pilot of front cover and tighten with pin spanner.

#### 4. Permanently Attach Spacers

If using mounting pad spacers, secure spacer to the appropriate bolt hole of the front cover using a 7/16"-20 mounting bolt. Tack weld spacer in place, then remove bolt (Figure 5). Repeat for other mounting pads.

#### 5. Stator Assembly

- Install new stator race (*not included in kit*).
- Install new springs and rolls (*not included in kit*).
- Reinstall OE stator cap and snap ring.

#### 6. Final Assembly

Continue normal assembly.

